

Clean Copy of Amended Claims

- 131 11/29 (amended). A method of amplifying an exon of *KVLQT1* wherein said method comprises:
- a) contacting a test sample with a pair of primers, wherein said pair of primers is useful for amplifying an exon of *KVLQT1* and each of said pair of primers comprises a nucleotide sequence at an intron/exon boundary;
 - b) conducting an amplification reaction to amplify an exon of *KVLQT1*.

12 11/29 (amended). The method of claim 29, wherein said pair of primers are selected from the group consisting of the primer pairs

- a) SEQ ID NOs:41 and 42;
- b) SEQ ID NOs:43 and 44;
- c) SEQ ID NOs:45 and 46;
- d) SEQ ID NOs:47 and 48;
- e) SEQ ID NOs:49 and 50;
- f) SEQ ID NOs:51 and 52;
- g) SEQ ID NOs:53 and 54;
- h) SEQ ID NOs:55 and 56;
- i) SEQ ID NOs:57 and 58;
- j) SEQ ID NOs:59 and 60;
- k) SEQ ID NOs:61 and 62;
- l) SEQ ID NOs:63 and 64;
- m) SEQ ID NOs:65 and 66;
- n) SEQ ID NOs:67 and 68;
- o) SEQ ID NOs:69 and 70;
- p) SEQ ID NOs:71 and 72; and
- q) SEQ ID NOs:73 and 74.

140

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~~61~~ (twice amended). An isolated nucleic acid comprising any 23 consecutive nucleotides of a nucleic acid encoding a *Xenopus* KVLQT1 polypeptide having the amino acid sequence set forth in SEQ ID NO:113 or its complement.

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(~~62~~) (twice amended). An isolated nucleic acid comprising any 25 consecutive nucleotides of a nucleic acid encoding a *Xenopus* KVLQT1 polypeptide having the amino acid sequence set forth in SEQ ID NO:113 or its complement.

141

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